

2.01.06

Rand p137

J=01d
K=01fWISCoding for ARCTANGENT - POLYNOMIAL APPROXIMATION (ATP)By D. R. S.Date JUNE 1st 1959Page 1 of 2

FLOW #	ORDER #	X	TYPE	A	B	C	#	HEXADECIMAL				
								X	T	A	B	C
			I	[1]	[29]	[1000]		000	0	001	01d	3e8
	1	25	E	[863]	[25,12] →	r [5]	001	019	1	35f	19c	005
	2	13	E	[863]	[1,12] →	θ [18]	002	00d	1	35f	01c	012
	3	13	E	[863]	[1,12] →	θ [19]	003	00d	1	35f	01c	013
	4	1	E	[863]	[1,12] →	β [20]	004	001	1	35f	01c	014
	5		A	r [—] + 0	[1023] →	r [855]	005	000	8	(000)	3ff	357
	6		SA	r [2048] - 1	[1022]	[859]	006	000	8	800	3fe	356
	7	25	E	INITIALISE C ₁₅ [20] →	ADD ORDER [25,12] 12	[12]	007	019	1	014	19c	00c
	8		S	[857]	[857] CLEAR	[857]	008	000	a	359	359	359
	9		AA	r [855] + 1	[3fe]	[2048]	009	000	9	357	3fe	800
	10		D	r -1 [859]	r +1 [2048] →	R [358]	00a	000	3	356	800	358
	11		M	R [2048] × R	[2048] →	R ² [858]	00b	000	2	800	800	35a
	12		A	C _{2i+1} [21] + Σ C _R ⁱ	[857] →	[2048]	00c	000	8	015	359	800
	13		M	→ [2048] × R ²	[859] →	Σ C _R ⁱ [857]	00d	000	2	800	35a	359
	14		A	INCREMENT "A" ADDRESS OF	ADD ORDER	[12]	00e	100	8	00c	3fb	00c
	15		TN	NEXT TO LAST CONSTANT?	[2048]	[16]	00f	000	e	800	010	00c
	16		A	ADD LAST CONSTANT	Σ C _R ⁱ [28] + C ₁	[857] →	010	000	8	01c	359	800
	17		M	→ [2048] × R	[856] →	Σ C _R ⁱ [2048]	011	000	2	800	358	800
	18		A	→ Σ C _R ⁱ [2048] + $\frac{\pi}{4}$	[29] →	θ [—]	012	000	8	800	01d	(000)
	19	50	E	INSERT SIGN OF PRINCIPAL VALUE	[855]	[0,1] →	013	032	1	357	321	(000)
	20		TU	C ₁₅ [21]	[] β	[—]	014	000	5	015	000	(000)
	21			C ₁₅ [7.00405740580]	[]		015	307	8	4d7	e74	355
	22			C ₁₃ [] .0218612288	[]		016	105	b	316	51d	7e0
	23			C ₁₁ [7.0559068861]	[]		017	304	e	501	c3c	528
	24			C ₉ [] .0964260443	[]		018	103	c	577	df4	0b3

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